

[ELECTRONIC APPARATUS HAVING STRUCTURE FOR PROTECTING FLEXIBLE PRINTED CIRCUIT AND CHIP THEREON]

Abstract

An electronic apparatus having a structure for protecting a flexible printed circuit (FPC) and a chip thereon is described, including a metal backplate, a first circuit and a second circuit respectively on the front side and the back side of the backplate, a metal frame plate at the periphery of the backplate, at least one FPC with at least one chip thereon, a metal screen plate, and at least one insulating elastic ring disposed around the FPC. The FPC has a first end connected to the first circuit and a second end connected to the second circuit over the frame plate, and the screen plate is disposed on the frame plate screening the FPC and the chip. The inner periphery of the insulating elastic ring closely contacts with the chip, and the outer periphery of the ring closely contacts with the frame plate and the screen plate.